WHAT IS CLAIMED IS:

1. An electronic apparatus comprising:

a main body having a housing mounting parts including a plural number of electronic parts therein;

a display device having a housing;

a keyboard;

a heat-receiving member, being thermally connected with a semiconductor element as a heat generating member among said electronic parts, and having a first flow passage in which a liquid flows through;

a heat-dissipating member, being disposed on a wall of at least one of said housings of said main body and said display device, so as to dissipate heat therefrom into an outside air atmosphere, and having a second flow passage in which the liquid flows through;

a tube for connecting said first flow passage of said heat-receiving element and said second flow passage of said heat-dissipating element; and

a heat transfer device including therein a liquid circulator for circulating said liquid through said first and second flow passages between said heat-receiving element and said heat-dissipating element, wherein said liquid circulator produces a liquid circulating flow rate so that a difference between a maximum temperature and a minimum temperature of said circulating liquid at least in said first and second flow passages is not greater than a difference between an upper limit temperature of said heat generating member and an outside air temperature of the electronic apparatus.

- 2. An electron apparatus according to claim 1, wherein the liquid circulating flow rate provided by said liquid circulator is at least 120µL/sec.
- 3. An electronic apparatus according to claim 2, wherein the liquid circulating flow rate provided said liquid circulator is not more than 1,200 µL/sec.
- 4. An electronic apparatus according to claim 1, wherein said display is pivotally supported on said main body and a portion of said tube is made of a flexible tube.
- 5. An electronic apparatus according to claim 1, wherein said liquid circulator has a thickness less than a height of said main body.
- 6. A liquid cooling system for use in an electronic apparatus having a heat generating member, comprising:

a heat-receiving member being thermally connected with said heat generating member and having a first flow passage in which a liquid flows through;

a heat-dissipating member, being disposed on a wall of the electronic apparatus so as to dissipate heat into an outside air atmosphere, and having a second flow passage in which the liquid flows through;

a tube for connecting between said first flow passage of said heat-receiving element and said second flow passage of said heat-dissipating element; and

a heat transfer device including therein a liquid circulator for circulating said liquid through said first and second flow passages between said heat-receiving

element and said heat-dissipating element, wherein said liquid circulator produces a liquid circulating flow rate so that a difference between a maximum temperature and a minimum temperature of said circulating liquid at least in said first and second flow passages is not greater than a difference between an upper limit temperature of said heat generating member and an outside air temperature of the electronic apparatus.

- 7. A liquid cooling system according to claim 6, wherein the liquid circulating flow rate provided by said liquid circulator is at least 120μ L/sec.
- 8. An electronic apparatus according to claim 7, wherein the liquid circulating flow rate provided said liquid circulator is not more than 1,200 μL/sec.
 - 9. An electronic apparatus comprising:

a main body having a housing mounting parts including a plural number of electronic parts therein;

- a display device having a housing;
- a keyboard;
- a heat-receiving member, being thermally connected with a semiconductor element as a heat generating member among said electronic parts, and having a first flow passage in which a liquid flows through;

a heat-dissipating member, being disposed on a wall of at least one of said housings of said main body and said display device, so as to dissipate heat therefrom into an outside air atmosphere, and having a second flow passage in which the liquid flows through;

a tube for connecting said first flow passage of said heat-receiving element and said second flow passage of said heat-dissipating element; and

a heat transfer device including therein a liquid circulator for circulating said liquid through said first and second flow passages between said heat-receiving element and said heat-dissipating element, wherein said liquid circulator produces a liquid circulating flow rate so that at least 10% of a sum of a temperature difference between said semiconductor element and said heat receiving element and a temperature difference between said heat-dissipating element and an outside air temperature of said electronic apparatus is obtained.

- 10. An electronic apparatus according to claim 9, wherein the liquid circulating flow rate provided by said liquid circulator is at least 120μ L/sec.
- 11. An electronic apparatus according to claim 10, wherein the liquid circulating flow rate provided said liquid circulator is not more than 1,200 μL/sec.
- 12. An electronic apparatus according to claim 9, wherein said display is pivotally supported on said main body and a portion of said tube is made of a flexible tube.
- 13. An electronic apparatus according to claim 9, wherein said liquid circulator has a thickness less than a height of said main body.

14. A liquid cooling system for use in an electronic apparatus having a heat generating, comprising:

a heat-receiving member being thermally connected with said heat generating member and having a first flow passage in which a liquid flows through;

a heat-dissipating member, being disposed on a wall of the electronic apparatus so as to dissipate heat into an outside air atmosphere, and having a second flow passage in which the liquid flows through;

a tube for connecting between said first flow passage of said heat-receiving element and said second flow passage of said heat-dissipating element; and

a heat transfer device including therein a liquid circulator for circulating said liquid through said first and second flow passages between said heat-receiving element and said heat-dissipating element, wherein said liquid circulator produces a liquid circulating flow rate so that at least 10% of a sum of a temperature difference between said heat generating element and said heat receiving element and a temperature difference between said heat-dissipating element and an outside air temperature of the electronic apparatus is obtained.

- 15. A liquid cooling system according to claim 14, wherein the liquid circulating flow rate provided by said liquid circulator is at least 120µL/sec.
- 16. An electronic apparatus according to claim 15, wherein the liquid circulating flow rate provided said liquid circulator is not more than 1,200 μL/sec.

17. An electronic apparatus comprising:

a main body having a housing mounting parts including a plural number of electronic parts therein;

- a display device having a housing;
- a keyboard;

a heat-receiving member, being thermally connected with a semiconductor element as a heat generating member among said electronic parts, and having a first flow passage in which a liquid flows through;

a heat-dissipating member, being disposed on a wall of at least one of said housings of said main body and said display device, so as to dissipate heat therefrom into an outside air atmosphere, and having a second flow passage in which the liquid flows through;

a tube for connecting said first flow passage of said heat-receiving element and said second flow passage of said heat-dissipating element; and

a heat transfer device including therein a liquid circulator for circulating said liquid through said first and second flow passages between said heat-receiving element and said heat-dissipating element, wherein said liquid circulator produces a liquid circulating flow rate so that a difference between a temperature of said liquid flowing from said heat-dissipating element and a temperature of said liquid flowing from said heat-receiving element in the liquid circulating in at least said first and second flow passages is not greater than a difference between a temperature of said heat generating member and an outside air temperature of the electronic apparatus.

- 18. An electron apparatus according to claim 17, wherein the liquid circulating flow rate provided by said liquid circulator is at least 120µL/sec.
- 19. An electronic apparatus according to claim 18, wherein the liquid circulating flow rate provided said liquid circulator is not more than 1,200 μL/sec.
- 20. An electronic apparatus according to claim 17, wherein said display is pivotally supported on said main body and a portion of said tube is made of a flexible tube.
- 21. An electronic apparatus according to claim 17, wherein said liquid circulator has a thickness less than a height of said main body.
- 22. A liquid cooling system for use in an electronic apparatus having a heat generating member, comprising:

a heat-receiving member being thermally connected with said heat generating member and having a first flow passage in which a liquid flows through;

a heat-dissipating member, being disposed on a wall of the electronic apparatus so as to dissipate heat into an outside air atmosphere, and having a second flow passage in which the liquid flows through;

a tube for connecting between said first flow passage of said heat-receiving element and said second flow passage of said heat-dissipating element; and

a heat transfer device including therein a liquid circulator for circulating said liquid through said first and second flow passages between said heat-receiving

element and said heat-dissipating element, wherein said liquid circulator produces a liquid circulating flow rate so that a difference between a temperature of said liquid flowing from said heat-dissipating element and a temperature of said liquid flowing from said heat-receiving element in the liquid circulation in at least in said first and second flow passages is not greater than a difference between a temperature of said heat generating member and an outside air temperature of the electronic apparatus.

- 23. A liquid cooling system according to claim 22, wherein the liquid circulating flow rate provided by said liquid circulator is at least 120µL/sec.
- 24. An electronic apparatus according to claim 23, wherein the liquid circulating flow rate provided said liquid circulator is not more than 1,200 μ L/sec.